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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/025,409	12/19/2001	Susana Fernandez Alonso	033079-003	4867

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EXAMINER

SMITH, SHEILA B

ART UNIT	PAPER NUMBER
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2681

DATE MAILED: 09/22/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/025,409

Applicant(s)

ALONSO ET AL.

Examiner

Sheila B. Smith

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on 19 December 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 26-50 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 40-50 is/are allowed.
- 6) ☒ Claim(s) 26-39 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>4</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

1. Claims 1-39 are rejected under 35 U.S.C. 102(e) as being anticipated by Granberg (U. S. Patent Number 6,101,382).

Regarding claim 26, Granberg discloses all the claimed invention as set fourth in the instant application, also Granberg discloses a transfer of calling party identification in a mobile communication system, in addition Granberg discloses a method of transmitting a calling subscriber number received at a Gateway Mobile Switching Center ("GMSC") of a home Public Land Mobile Network ("PLMN") along with an incoming call towards a destination subscriber who is a roaming subscriber in a visited PLMN and who is one of a called subscriber and a forwarded-to subscriber by interrogating at least one entity selected from GSM network entities (which reads on column 4 lines 51-63), UMTS network entities, and Inter-Working Functions by at least one interrogating operation selected from GSM MAP operations (which reads on column 4 lines 33-40), UMTS MAP operations, and combinations thereof in order to retrieve a routing number and reach the roaming subscriber and set up the call (which reads on column 2 lines 29-39), the method comprising the steps of extracting, at an interrogating network entity, the received calling subscriber number identification to be further sent in an interrogating

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GSM/UMTS MAP operation (which reads on column 5 lines 17-30), including the extracted calling subscriber number identification in the interrogating GSM/UMTS MAP operation at the interrogating network entity, forwarding the interrogation and the calling subscriber number identification with the interrogating GSM/UMTS MAP operation to the at least one interrogated entity (which reads on column 3 lines 60-67 and column 4 lines 1-5).

Regarding claim 27, Granberg discloses everything claimed, as applied above (see claims 26) in addition, Granberg discloses an interrogating GSM/UMTS MAP operation for retrieving the routing number as well as to submit the calling subscriber number identification is a MAP operation: "Send Routing Information" (which reads on column 6 lines 50-65).

Regarding claim 28, Granberg discloses everything claimed, as applied above (see claims 26) in addition, Granberg discloses an interrogating GSM/UMTS MAP operation for retrieving a routing number as well as to submit the calling subscriber number identification is a MAP operation: "Provide Roaming Number" (which reads on column 6 lines 50-65).

Regarding claim 29, Granberg discloses everything claimed, as applied above (see claims 26) in addition, Granberg discloses the home PLMN is one of a GSM network and a UMTS network that include a home GMSC, and the visited PLMN where the home subscriber is roaming is neither a GSM network nor a UMTS network (which reads on column 6 lines 50-65).

Regarding claim 30, Granberg discloses everything claimed, as applied above (see claims 26) in addition, Granberg discloses the home GMSC interrogates a GSM/UMTS home location register ("HLR") by a MAP operation: "Send Routing information" that includes the calling subscriber number identification, and the GSM/UMTS HLR interrogates an Inter-Working Function used in intersystem roaming by a MAP operation'. "Provide Roaming

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Number" that also includes the calling subscriber number identification (which reads on column 6 lines 50-65).

Regarding claim 31, Granberg discloses everything claimed, as applied above (see claims 26) in addition, Granberg discloses the visited PLMN where the home subscriber is roaming is one of a GSM network and a UMTS network, and the home PLMN is neither a GSM network nor a UMTS network (which reads on column 5 lines 40-50).

Regarding claim 32, Granberg discloses everything claimed, as applied above (see claims 26) in addition, Granberg discloses an InterWorking Function used in intersystem roaming interrogates a visited mobile switching center/visitor location register ("MSCNLR") by a MAP operation: "Provide Roaming Number" that includes the calling subscriber number identification (which reads on column 6 lines 50-65).

Regarding claim 33, Granberg discloses everything claimed, as applied above (see claims 26) in addition, Granberg discloses the home PLMN is one of a GSM network and a UMTS network that include a home GMSC, and the visited PLMN where the home subscriber is roaming is also one of a GSM network and a UMTS network (which reads on column 6 lines 50-65).

Regarding claim 34, Granberg discloses everything claimed, as applied above (see claims 26) in addition, Granberg discloses the home GMSC interrogates a GSM/UMTS home location register ("HLR") by a MAP operation: "Send Routing Information" that includes the calling subscriber number identification, and the GSM/UMTS HLR interrogates the MSC/VLR where the subscriber is roaming by a MAP operation: "Provide Roaming Number" that also includes the calling subscriber number identification (which reads on column 6 lines 50-65).

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Regarding claim 35, Granberg discloses everything claimed, as applied above (see claims 26) in addition, Granberg discloses the calling subscriber number identification is included as a new parameter of a predetermined type in a MAP operation: "Send Routing Information" (which reads on column 6 lines 50-65).

Regarding claim 36, Granberg discloses everything claimed, as applied above (see claims 26) in addition, Granberg discloses the calling subscriber number identification is included in an Extension Container field of a MAP operation: "Send Routing Information".

Regarding claim 37, Granberg discloses everything claimed, as applied above (see claims 26) in addition, Granberg discloses the calling subscriber number identification is included as a new parameter of a predetermined type in a MAP operation'. "Provide Roaming Number".

Regarding claim 38, Granberg discloses everything claimed, as applied above (see claims 26) in addition, Granberg discloses the calling subscriber number identification is included in an Extension Container field of a MAP operation: "Provide Roaming Number" (which reads on column 6 lines 50-65).

Regarding claim 39, Granberg discloses everything claimed, as applied above (see claims 26) in addition, Granberg discloses any of a GSM and UMTS MSC/VLR store on a per subscriber and per call basis the calling subscriber number identification received in a MAP operation: "Provide Roaming Number" for further delivery to the destination subscriber (which reads on column 6 lines 50-65).

Allowable Subject Matter

1. Claims 40-50 are allowed.


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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sheila B. Smith whose telephone number is (703)305-0104. The examiner can normally be reached on Monday-Thursday 6:00 am - 3:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Hudspeth can be reached on 703-308-4825. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

S. Smith 
September 16, 2004


DAVID HUDSPETH
SUPERVISORY PATENT EXAMINER
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